COUNTRY   :
CATEGORY   :   B

ABS. JOUR.   : RZKhim., No. 23   1959, No. 83785

AUTHOR   :
INST.   :
TITLE   :

ORIG. PUB.   :

ABSTRACT   : L. mannitopoeus lowers the I yield by 87% as
Con'd   compared to the control sample. The effect of
               non-acid-forming bacteria on the yield of I
               was minimal. Yeasts added in a quantity of
               approx. 870,000 cells per 1 ml lowered the
               yield of I to some degree.

CARD: 2/2

ILCZUK, Zdzislaw

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1. Z Katedry Technologii Rolnej WSR w Lublinie.
      (ASPERGILLUS)   (CITRATES)

IICZUK, Zdzislaw (Lublin)

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JAKUTOWICZ, Konstancja; ILCZUK, Zdzislaw; KNYPL, J.S.; WISNIEWSKA, Justyna M.;
SZARSKI, Henryk

Abstracts. Kosmos biol 14 no.1:63-92 '65.

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Studies on citric acid synthesis. II. The amino acid composition of cultures of Aspergillus niger of varying acid production ability. Acta microbiol. Pol. 14 no.2:215-219 '65.

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14 no.3/4:337-339 '65.

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CZEREK-JAGUCZANSKA, H.; KRUDYSZ, J.; PACYNSKA, J.; WOZNIAKOWA, I.

Problem of the evolution of some eye diseases in Poland according to
material of the Wroclaw clinic. Klin.oczna 31 no.4:411-422 '61.

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Kapuscinski Z Katedry Maszyn Elektrycznych Politechniki Wroclawskiej
Kierownik: prof. dr inz. F. Andrzejewski.

(OPHTHALMOLOGY)

GUROV, P.I. (g. Temir-Tau); IL'DEBAYEV, A.I. (g. Temir-Tau)

Combined injury of the chest, retroperitoneal space, pelvis
and hip. Vest. khir. 93 no.12:104-105 D '64.

(MIRA 18:5)

IL'DEMENOV, Valentin Ignat'yevich; ALEKSEYEVA, V., red.

[Potentials for increasing labor productivity in agri-
culture; using the example of the collective farms of
the Chuvash A.S.S.R.] Rezervy rosta proizvoditel'nosti
truda v zemledelii; na primere kolkhozov Chuvashskoi
ASSR. Cheboksary, Chuvashskoe knizhnoe izd-vo, 1962.
167 p.   (MIRA 17:8)

ZAPALOV, G.A., uchitel'; IL'DEROV, G.N.

Some problems in the organisation and content of phenological
observations. . Biol.v shkole no.2:62-63 Mr-Ap '60. (MIRA 13:8)

1. Bol'she-Yanikovskaya srednyaya shkola, Urmarskogo rayona,
Chuvashskoy ASSR (for Zapalov). 2. Chuvashskiy institut usover-
shenstvovaniya uchiteley (for Il'derov).
        (Bol'shoye Yanikovo--Nature study)

FORNOSI, Ferenc, dr.; ILDIKO, Talos, dr.

Serologic effectiveness of live monovalent poliovirus vacci-
nation in the order of type 2-3-1 and type 1-3-2. Orv. hetil.
105 no.4:1878-1882   4 0'64

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KASIMOV, M.S., kand. med. nauk; IL'DRYMZADE, Dzh., red.; BAGIROVA, S.,
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Azerbaidzhanskoe gos. izd-vo, 1960. 18 p.   (MIRA 15:4)
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CATANA, Alex., ing.; ILEA, Liviu

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cailor fer 13 no.3:135-139 Mr '65.

ILEA, N.

Tensio-active substandes in processing of crude oil.
P. 555 (STANDARDIZAREA) (Bucuresti, Rumania) Vol. 9, no. 11. Nov. 1957.

SO: Monthly Index of East European Accessions (EEAI) LC Vol. 7, No. 5. 1958

ILEA, M.

COUNTRY	: Rumania	H-23
CATEGORY	:	

ABS. JOUR. : RZKhim., No. 22 1959, No.   79818

AUTHOR   : Radulescu, G. A. and Ilea, M.
INST.   : Not given
TITLE   : Production of Sulfonic Acids by Treating Petroleum
           Products with Fuming Sulfuric Acid

ORIG. PUB. : Petrol si Gaze, 9, No 1, 28-37 (1958)

ABSTRACT   : A method is described for the production of a num-
             ber of sulfonic acids by the fuming sulfuric acid
             treatment of petroleum products which in the form
             of their NH_4 - and Na salts find applications as
             detergents and de-emulsifying agents.
                                        From authors' summary

CARD: 1/1   238

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Influence of technological parameters on the disasphalting with
propane; laboratory aspects. Petrol si gaze 13 no.7:310-316 Jl
'62.

GRIGORIU, D., ing.; SCHORR, V., ing.; CEIANU, M., ing.; ILEA, M., ing.;
    CONRAD, M., ing.

Influence of working conditions in the disasphalting with propane.
Petrol si gaze 13 no.10:459-464 O '62.

GRIGORIU, D., ing.; DESPA, St., ing.; MAZAREANU, L., ing.; TIBREA, E., ing.;
    ILEA, M., ing.

    Liquid ternary equilibrium furfurol-water-medium oil distillates.
    Petrol si gaze 14 no.2:80-86 F '63.

GRIGORIU, D.; SCHORR,V.; CEIANU,M.; ILEA,M.; MAZAREANU,L.; DESPA,S.;
      PLATON, Al.

      Extraction of primary and delayed coking oils obtained from
      Nahorkatia crude oil by liquid sulfur dioxide. Petrol si
      gaze 14 no.10:509-516   0'63.

GRIGORIU, D.; ILEA, M.; CEIANU, M.; DESPA, St.; MAZAREANU, L.;
    POPESCU, R.

Influence of the main parameters on the gas-oil extraction
process with furfurole. Petrol si gaze 15 no. 6:299-305
Je '64.

L 11216-66   T   DJ/WE

ACC NR: AP6004960   SOURCE CODE: RU/0007/65/016/001/0043/0052

AUTHOR: Grigoriu, D.; Ilea, M.; Ceianu, M.; Deppa, St.; Mazareanu, L.; Popescu, R.

ORG: none

TITLE: Production of aromatic concentrates from kerosene, gasoline, and diesel fuel by extraction with sulphur dioxide

SOURCE: Petrol si gaze, v. 16, no. 1, 1965, 43-52

TOPIC TAGS: sulfur, oxide, kerosene, gasoline, diesel fuel, aromatic hydrocarbon, chemical reaction

ABSTRACT: A description
and discussion of the extraction of kerosene, gasoline and
Diesel fuel by means of liquid sulfur dioxide. The authors
analyze the influence on the quality and quantity of products
obtained of the principal extraction parameters (temperature,
solvent ratio, number of stages) as well as of the raw materials
used. For kerosene extraction the effect of adding a washing
medium to the sulphur dioxide is also studied. Orig. art. has: 6 figures and
20 tables. /JPRS/

SUB CODE: 07 / SUBM DATE: none / OTH REF: 012 / SOV REF: 001

Card 1/1

ILEA, T.; BAD, E.; OLTEANU, M.

Considerations regarding rural sanitary circumscription with two physicians. p. 8.
(Ocrotirea Sanatatii In R.P.R. ; Vol. 7, No. 1. Jan/Mar. 1957. Bucuresti,
Rumania)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No. 8, Aug 1957. Uncl.

RUMANIA

ILEA, T., Professor; LUPASCU, Gh., Professor; MAURER, M., Professor; ARDELEAN, I., Professor; CALORIESCU, I., MD.

Bucharest, Igiena, No 6, Nov-Dec 63, pp 481-487

"Health Protection of Workers on the Building Sites in the City of Bucharest."

(5)

ROMANIA

ILEA, T., Professor; LUPASCU, Ch., Professor; MAURER, M., Professor; RUMLEAN, I., Professor; CHAGALACU, I., MD.

Bucharest, Igiena, No 6, Nov-Dec 69, pp 481-487

"Health Protection of Workers on the Building Sites in the City of Bucharest."

(5)

RUMANIA   3

ILEA, Th., Professor;   CALOENESCU, I., MD;   CUALESAN, Maria, MD;
DRAGOSANU, I., MD.

   Bucharest, Igiena, No 6, Nov-Dec 63, pp 551-556

   "Outpatient Care of Workmen on Construction Sites."

(4)

Ilea, t.

RUMANIA

ILEA, T., Professor; BULLA, A., MD; GROSZ, G., Lecturer; COROI, V., MD; ENACHESCU, D., MD; HUSZAR, T., MD.

"Methodological Bases of Public Health."

(6)

ILEA, T.

RUMANIA

ILEA, T., Professor; ARDELEAN, I., Professor; GONTEA, I., Professor;
GAVRILESCU, N. Lecturer.

Bucharest, Igiena, No 3, May-Jun 63, pp 193-198

"Progress of Medical-Biological Studies and the Process of
Forming Teaching and Research Cadres in the Field of
Hygiene and Public Health."

3

RUMANIA

ILEA, Th., Prof; BILBIE, V., Conf.

(None)

Bucharest, Viata Medicala, No 12, 15 Jun 63, pp 793-794

Editorial

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IIFA. Voiculescu V.- in Co-operation with V. V. Papilian.

Differential diagnosis between tumours of the brain and pseudotumoral
syndromes in children. Rumanian M. Rev. 2 no.2:42-47 Apr-June 58.
(BRAIN NEOPLASMS, in inf. & child
        differ. diag. from pseudotumoral synd.)

STANESCU, L., dr.; ILEA, V., dr.

Lofgren syndrom. Med. intern. 13 no.11:1575-1579 N '61.

1. Lucrare efectuata in Clinica a III-a medicala, Cluj.

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(ERYTHEMA NODOSUM case reports)

FODOR, O.; POPESCU, St.; NICOARA, Gh.; ILEA, V.

Contribution to the knowledge of the mechanism of induction of gastric acid secretion in duodenal ulcer. Stud. cercet. med. intern. 5 no.4:371-378 '64.

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MUNTEANU, P., dr.; POPESCU,St.dr.; ILEA,V.dr.

Cholostatic chronic hepatitis. (Considerations on 10 cases).
Med. intern. 16 no.1:47-53 Ja'64.

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BOERIU,I.N., dr.; ILEA,V.dr.; SCHWARTZ,M.dr.; RANCEA,D., dr.

Electrocardiographical changes in emphysematous disease. Cor-
relation with spirometric data. Med. intern. (Bucur.) 16 no.4:
461-468 Ap'64

1. Clinica a III-a medicala I.M.F., Cluj(director: prof.
O.Fodor).

FODOR, O., prof.; STANESCU,L., dr.; COSMA,V., dr.; ITU,I., dr.; FRATILA,I.,
dr.; MUNTEANU,P., dr.; SCHWARTZ,M., dr.; CIOFU, Gh., dr.; ILEA, V.,
dr.; COTUL, S., dr.; DUMITRASCU, D., dr.; BORSAN, I., laborant

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chronicity of acute epidemic hepatitis. Med. intern. (Bucur.)
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sel'skokhoziaistvennogo vodopol'zovaniia v Kirgizskoi SSR;
kratkii ocherk. Moskva, Gos.izd-vo iurid.lit-ry, 1959. 102 p.
(MIRA 13:6)

(Kirghizistan--Irrigation laws)

ABRAMZON, Leonid Semenovich; ILEMBITOV, Mukhametgaley Safich; SHLIDERMAN,
    Vladimir Yakovlevich; POLYANSKII, O.I., Vedushchiy red.; FEDOTOVA,
    I.G., tekhn. red.

[Ejector pumping of petroleum products with high vapor tensions]
Ezhektornaia vykachka nefteproduktov s vysokoi uprugost'iu parov.
Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry,
1961. 76 p.   (MIRA 14:8)
            (Ejector pumps)   (Petroleum products)

ILEMBITOV, M.S.; GUBIN, V.Ye.

Pouring petroleum products from tank cars through an auxiliary
reservoir. Izv. vys. ucheb. zav.; neft' i gaz 8 no.1:95-96 '65.
(MIRA 18:2)

1. Ufimskiy neftyanoy institut.

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Determining the time for petroleum products to discharge from
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neft' i gaz 7 no.2:79-83 '64.   (MIRA 17:10)

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KREYMER, M.L.; GAZIZOV, R.Kh.; BIKRIMIROV, F.S.; KHUDAYDATOVA, L.B.;
ILEMBITOVA, R.N.

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producing benzene. Trudy BashNII NP no.6:95-101 '63.
(MIRA 17:5)

NICOLAU, St.S., academician; SARATEANU, D.; SURDAN, C.; ATHANASIU, P.;
ANAGNOSTE, B.; SORODOC, G.; incoloborare cu ILESCU, C.; RADESCU, R.;
MALITCHI, E.

Inframicrobiol etiology in the field of cardiovascular diseases.
III. Thromboangitis obliterans with migratory phlebitis of
Rickettsial etiology. Stud. cercet. inframicrobiol. 12 no.4:535-541
'61.

1. Comunicare prezentata la Institutul de inframicrobiologie al
Academiei R.P.R.
(THROMBOANGITIS OBLITERANS virology)
(PHLEBITIS virology)   (RICKETTSIAL DISEASES)
(CARDIOVASCULAR DISEASES virology)

ILESCU, C.C., prof.; ROMAN, L., dr.; DOMOCOS, G., dr.; CRETU, Silvia, statisticiana

Analysis of the morbidity of the patients hospitalized in the Clinica de cardiologie Ascar. Med. intern., Bucur 12 no.12:1823-1832 D '60.

1. Lucrare efectuata la Clinica de cardiologie Ascar, director prof. C.C.Iliescu.
(CARDIOVASCULAR DISEASES statistics)
(HYPTERENSION statistics) (HEART DEFECTS, CONGENITAL statistics)

ISTRATE, Firita; PAUSESCU, E.; ELAD-ANTONESCU, Claudia; ILESCU, Eveline

Experimental investigations of atherosclerosis. Action of mammary
gland extracts on cholesterolemia and atherogenesis. Stud. cercet.
med. intern. 2 no.3:415-432 '61.
        (ARTERIOSCLEROSIS experimental) (BREAST extracts)
            (CHOLESTEROL blood)

TEODORESCU, P., prof.; ILESCU, V., dr.; IONASESCU, R., dr.; COSERU, C.,
    dr.

On a case of benign inoculation reticulosis (cat-scratch disease).
Med. intern., Bucur 12 no.11:1677-1682 N '60.
            (CAT-SCRATCH DISEASE case reports)

ILESHEVA, R. G.

"Data Concerning the Study of Involutional Melancholia (Clinical and Experimental Study of Cortical Dynamics)." Cand Med Sci, Kazakh State Medical Inst imeni V. M. Molotov, Alma-Ata, 1955. (KL, No 9, Feb 55)

SO: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

ILESHEVA, R.G.

Clinical aspects and course of manic-depressive psychosis. Zdrav. Kazakh. 21 no.10:30-33 '61.   (MIRA 15:2)

1. Iz kafedry psikhiatrii Kazakhskogo meditsinskogo instituta i Alma-Atinskoy psikhonevrologicheskoy bol'nitsy.
            (MANIC-DEPRESSIVE PSYCHOSES)

ZAL'TSMAN, G.I.; LENSKIY, G.P.; ILESHEVA, R.G.

Treatment of schizophrenia resistant to the standard methods
of therapy (second report). Zdrav. Kazakh. 22 no.1:30-34
'62. (MIRA 15:3)

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i Alma-Atinskoy gorodskoy klinicheskoy psikhonevrologicheskoy
bol'nitsy.

(SCHIZOPHRENIA)

ILESHEVA, R.G.

"Principles of gerontology" by Leon Binet and Fr.Bourliere.
Reviewed by R.G.Ilesheva. Zdrav.Kazakh. 22 no.7:79-80 '62.

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(OLD AGE)   (GERIATRICS)
(BINET, LEON)   (BOURLIERE, Fr.)

ILESHIN, Boris Ivanovich; RASTREPIN, Nikolay Maksimovich; CHERNYAK,
R.I., red.; ENCHMAN, P.A., tekhn. red.

[Source of mighty torrent; an account of the people and work
of the Komintern Collective Farm]Istoki moguchego razliva; ras-
skaz o liudiakh i delakh ordena Lenina kolkhoza imeni Kominterna.
Tambov, Tambovskoe knizhnoe izd-vo, 1960. 111 p. (MIRA 16:2)
        (Michurinsk District--Collective farms)

ILESIC, S.

For uniformity of geography. p. 157

GEOGRAFSKI VESTNIK   vol. 26, 1954

Yugoslavia

so.   EAST EUROPEAN ACCESSIONS LIST   vol. 5, no. 10   Oct. 1956

ILESIC, S.

Rudic Petrovic's Ekonomska geografija Jugoslavije (Economic Geography
of Yugoslovia); a book review. p. 218

GEOGRAFSKI VESTNIK vol. 26, 1954

Yugoslavia

so.   EAST EUROPEAN ACCESSIONS LIST   vol. 5, no. 10   Oct. 1956

ILESIC, S.

The Mediterranean and the Middle East, Vol. 1, The Western Mediter-
ranean by Pierre Birot and Jean Dresch; a book review, p. 225

GEOGRAFSKI VESTNIK   vol. 26, 1954

Yugoslavia

so.   EAST EUROPEAN ACCESSIONS LIST   vol. 5, no. 10   Oct. 1956

ILESIC, S.

The Koper littoral as seen through economic geography.   p. 1; GEOGRAFSKI
OBZORNIK.   (Geografsko drustvo Slovenije) Ljubljana; Vol. 2, no. 4, 1955.

SOURCE: East European Accessions List (EEAL), Library of Congress,
         Vol. 5, No. 12, December 1956.

ILESIC, S.

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Vol. 29/30, 1957/58

Monthly List of East European Accessions (EEAI) LC Vol. 9, no2., Jan 1960

Uncl.

ILESIC, S.

International colloquy on an agrarian region in Nancy. p. 172.

GEOGRAFSKI VESTNIK. (Geografsko drustvo v Ljubljani) Ljubljana, Yugoslavia.
Vol. 29/30, 1957/58.

Monthly List of East European Accessions (EEAI) IC Vol. 9, no. 2, Jan 1960

Uncl.

ILESIC, S.

Geography in Poland. p. 182.

GEOGRAFSKI VESTNIK. (Geografsko drustov v Ljubljani) Ljubljana, Yougoslavia.
Vol. 29/30, 1957/58.

Monthly List of East ᴱuropean Accessions (EEAI) LC Vol. 9, no. 2, Jan 1960

Uncl.

ILESIC, S.

Dusan Dukic's Sava; potamološka studija (Sava River; a Potamological Study);
a book review. p. 203.

GEOGRAFSKI VESTNIK. (Geografsko drustvo v Ljobljana, Yugoslavai.)
Vol. 29/30, 1957/58.

Monthly List of East European Accessions (EEAI) LC Vol. 9, no. 2, Jan 1960

Uncl.

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Andre Blanc's Western Croatia; a Study of Human Geography; a book review. p. 211.

GEOGRAFSKI VESTNIK.   (Geografsko drustvo v Ljobljana, Yugoslavai.)
Vol. 29/30, 1957/58.

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Uncl.

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p. 247.

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Vol 29/30, 1957/58.

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Uncl.

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ILESIC, Svetozar, dr.

    Geographical regionalization of Yugoslavia. Geogr vest 33:3-23
'61.

    1. Clan Uredniskega edbora in glavni urednik, "Geogrdfski
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1. Clan Uredniskega edbora in glavni urednik, "Geografski vestnik".

ILESIC, Svetozar, dr.

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33:188 '61.

1. Clan Uredniskega odbora in glavni urednik, "Geografski
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ILESIC, Svetezar, dr.

"A critical review of the 1951 Austrian census with regard to the linguistic structure in Carinthia" by Vladimir Klemencic. Reviewed by Svetezar Ilesic. Geogr vest 33:188-189 '61.

1. Clan Uredniskega edbora in glavni urednik, "Geografski vestnik".

ILESIC, Svetozar, dr.

At the grave of Professor Ivo Rubic, 1897-1961; obituary.
Geogr vest 33:197-199 '61.

1. Član Uredniškega odbora in glavni urednik, "Geografski
vestnik".

ILESIC, Svetozar, dr.

Professor Boze Skerlj, 1904-1961; obituary. Geogr vest 33:202
'61.

1. Clan Uredniskega odbora in glavni urednik, "Geografski
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ILESIC, Svetozar, dr.

The Sixth Congress of the Geographers of Yugoslavia. Geogr vest 33:203-205 '61.

1. Clan Uredniskega odbora in glavni urednik, "Geografski vestnik".

ILESIC, Svetozar, dr.

"Celjski zbornik 1962," ed. by Tine Orel and Gustav Grobelnik.
Reviewed by Svettozar Ilesic. Geogr vest 34:164 '62[-ubl.'63].

On the occasion of the death of Prof. Husein Brkic. Ibid.:173

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ILESIC, Svetozar

Reliot features in the landscape as element of the actual geographic environment. Georg vest 36:3-12 '64 [publ. '65].

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From the three geographic congresses abroad. Ibid.:101-108

Results of the Second Meeting of the International Commission on Methods of Economic Regionalization. Ibid.:110-112

Some articles on Yugoslavia written by American and English geographers. Ibid.:115-116

At the grave of Nikolai Nikolaevich Baranskii, 1881-1963. Ibid.: 121-122

Utilization of deeply buried fossil resinous wood for the manufacture of thermal-insulating board. A. I. Skrigan, O. Liskin, V. S. Verner, and A. Koxlov. *Vestsi Akad. Navuk Belarus. S.S.R.* 1954, No. 2, 124-31.—During the reclamation of swamps in Byelorussia approx. 200,000 cu. m. of deeply buried fossil wood is obtained each year. This

... installation is brought in Byelorussia about 200,000 cu. m. of deeply buried fossil wood is obtained each year. This wood has d. 0.460-0.535 and contains ash 0.74-0.99, residuous substances 17.03-21.80, turpentine 0.42-0.64, readily hydrolyzable polysaccharides 17.03, cellulose 46.00 and lignin 30.05%. The turpentine has d 0.9330, n 1.4572, ln'n 5.36, and viscosity at 20 0.74 poise. The method of insulating beams is described and the mechanical properties of the beams are ... the ... when the wood undergoes ... ... the hemicellulose of the wood is hydrolyzed to hexoses, and these in turn undergo an oxidative degradation forming formic, acetic, propionic, and butyric acids.   B. B.

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Fiberboard from waste stump-wood chips. Gidroliz. i lesokhim.
prom. 12 no.1:24-26 '59.   (MIRA 12:2)

1. TSentral'nyy nauchno-issledovatel'skiy lesokhimicheskiy
institut (for Nysenko). 2. Novo-Belitskiy lesokhimicheskiy
kombinat (for Chudinov, Ileskin).
                    (Hardboard)

ZIMIN, Ye.N., kand. tekhn. nauk; ILEUSUZOVA, R.B.

Pulse speed control of asynchronous electric motors. Vest. AN Kazakh.
SSR 20 no.2:85-90 F '64.   (MIRA 18:1)

ILEV, A.

Ilev, A.; Statev, G.   Inventory of unfinished products; experiences of the V.
Kolarov High-Voltage Plant. p. 5. TEZHKA PROMISHLENOST. Sofiya. Vol. 4,
no. 7, 1955.

SO: Monthly List of East European Accessions, (EEAL), LC. Vol. 4, No. 11,
Nov. 1955, Uncl.

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Making Inventory of Semi-manufactured Production.

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Achievements and trends in the development of television. p.41.
(RADIO I TELEVIZIIA, Vol. 6, no. 1, 1957, Sofia, Bulgaria.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 12, December 1957 Uncl.

RASCHEEFF, N. [Rascheev, N.]; ILEFF, N. [Ilev, N.]

   Breakage process equation - strain energy factor, and its
   determination. Doklady BAN 17 no.4:391-393 '64.

ACC NR: AT7005781
SOURCE CODE: BU/2506/66/009/000/0127/0134

AUTHOR: Ilev, Nikola; Mikhaylov, Mikhail

ORG: none

TITLE: An instrument for discrete measurements of elastic body wave propagation velocity

SOURCE: Bulgarska akademiya na naukite. Geofizichniya institut. Izvestiya, v. 9, 1966, 127-134

TOPIC TAGS: seismic modeling, elastic wave propagation, earth crust, earthquake, forecasting, WAVE PROPAGATION, LONGITUDINAL WAVE, SEISMOLOGIC INSTRUMENT

ABSTRACT: Schematic diagrams and a description of an instrument designed to measure longitudinal elastic wave velocities are given. Discrete measurements are made that count the number of pulses leaving one generator with a constant repetition frequency and pass through a counter in the time that the elastic wave covers the distance between two observation points. This velocity can be measured with the necessary precision by selecting a suitable base between the observation points and a suitable generator frequency. Owing to its small size and portability, the instrument is well suited for rapidly determining soil layer thickness, investigating low-velocity zones in seismic prospecting and rock pressure in mining operation, geologic mapping, and monitoring changes in the state of the earth's layers in connection with earthquake forecasting. [WA-79-67-4]

SUB CODE: 08/ SUBM DATE: 02Dec65 ORIG REF: 006/   UDC: none

Card 1/1

ILEV, Petur, inzh.

. Observation of deformations in dams by geodetic methods. Khidrotekh
i melior 9 no. 4:104-105, 112 '64.

ILEVE, P.

SCIENCE

Periodical: IZVESTIIA. BULLETIN Vol. 8, 1957

ILIEV, P. Polyploidy in sesame. p. 3.

Monthly List of East European Accessions (EEAI), IC, Vol. 8, no. 10, 2
February 1959, Unclass.

ZALESKI, V., dotsent; STOYKO, A., veterinarnyy vrach; ILEVICH, L.

Propolis in the treatment of wounds in animals. Veterinariia
41 no.2:110-111 F '65.   (MIRA 18:3)

1. Silezskaya meditsinskaya akademiya (for Zaleski). 2. Gosudarst-
venno-lechebnoye uchrezhdeniye dlya zhivotnykh, Katovitse (for
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ZAJUSZ, Kazimierz; ILEWICZ, Leszek; ZALESKI, Wladyslaw

Phosphatases in dental pulp. Part 1. Czas. stomat. 18 no.11:
1277-1283 N ' 65.

1. Z Pracowni Patologii Doswiadczalnej Instytutu Medycyny Pracy
w Przemysle Weglowym i Hutniczym v Zabrzu (Kierownik: doc. dr.
K. Zajusz) oraz z Zakladu Stomatologii Zachovawczej Slaskiej
AM (Kierownik: doc. dr. Wl. Zaleski).

ILEYCHEV, P.G., uchitel'

Individual assignments to students studying D.I. Mendeleev's periodic system of elements. Khim. v shkole 18 no.5:48-50 S-O '63.(MIRA 17:1)

1. Shkola pos. Shalya, Sverdlovskaya oblast'.

KAMINER, N.S.; ILGACH, S.F.; KHADAKHANOVA, T.S.

Temperature effect of the neutron component of cosmic rays in a period of high solar activity. Geomag. i aer. 4 no.5:946-947 S-O '64.   (MIRA 17:11)

1. Institut zemnogo magnetizma, ionosfery i rasprostraneniya radio-voln AN SSSR i Irkutskiy gosudarstvennyy universitet imeni Zhdanova.

Il'gamov, M.A.

BOROVSKIY, P. V.

PHASE I BOOK EXPLOITATION   SOV/6206 ?5

Konferentsiya po teorii plastin i obolochek. Kazan', 1960.

Trudy Konferentsii po teorii plastin i obolochek; 24-29 oktyabrya
    1960. (Transactions of the Conference on the Theory of Plates
    and Shells Held in Kazan', 24 to 29 October 1960). Kazan',
    [Izd-vo Kazanskogo gosudarstvennogo universiteta] 1961. 426 p.
    1000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Kazanskiy filial. Kazanskiy
    gosudarstvennyy universitet im. V. I. Ul'yanova-Lenina.

Editorial Board: Kh. M. Mushtari, Editor; F. S. Isanbayeva, Secretary;
    N. A. Alumyae, V. V. Bolotin, A. S. Vol'mir, N. S. Ganiyev,
    A. L. Gol'denveyzer, N. A. Kil'chevskiy, M. S. Kornishin,
    A. I. Lur'ye, G. N. Savin, A. V. Sachenkov, I. V. Svirskiy,
    R. G. Surkin, and A. P. Filippov. Ed.: V. I. Aleksagin;
    Tech. Ed.: Yu. P. Semenov.

PURPOSE: The collection of articles is intended for scientists and
    engineers who are interested in the analysis of strength and
    stability of shells.

Card 1/14

Transactions of the Conference (Cont.)   SOV/6206

COVERAGE: The book is a collection of articles delivered at the
Conference on Plates and Shells held in Kazan' from 24 to 29
October 1960. The articles deal with the mathematical theory
of plates and shells and its application to the solution, in
both linear and nonlinear formulations, of problems of bending,
static and dynamic stability, and vibration of regular and
sandwich plates and shells of various shapes under various
loadings in the elastic and plastic regions. Analysis is made
of the behavior of plates and shells in fluids, and the effect
of creap of the material is considered. A number of papers
discuss problems associated with the development of effective
mathematical methods for solving problems in the theory of shells.
Some of the reports propose algorithms for the solution of problems
with the aid of electronic computers. A total of one hundred
reports and notes were presented and discussed during the con-
ference. The reports are arranged alphabetically (Russian) by
the author's name.

Card 2/14

Transactions of the Conference (Cont.)   SOV/6206

Card 7/14

L 16752-63   EWP(r)/EWP(q)/EWT(m)/BDS   AFFTC/ASD   JD

S/124/63/000/004/048/064

AUTHOR: Il'gamov, M. A.   56

TITLE: Computation of rings for oscillation

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 4, 1963, 20, abstract 4V157
             (Izv. Kazansk. fil. AN SSR. Ser. obshchaya, vyp. 1, 1961, 29-36)

TEXT: The author makes an analysis of free and forced oscillations in rings under
the influence of hydrostatic pressure; taking into account the internal resistance
of the material and the rotational inertia of the mass of the ring. He adduces gen-
eral differential equations for plane and spatial oscillations of a circular column,
as well as graphics for the relation between natural frequencies of the oscillations
and the column of static load; also, of the critical force on the ring as a function
of the resilience coefficient of the medium and of the number of waves with loss of
stability. The author adduces the data of experiments with a booster fuel collector
of a jet engine made in the form of a ring from a pipe. The author computes values
for the natural frequencies of bending-torsional oscillations in this ring, taking
into account the influence of uniformly distributed jets along the length of the
ring, which appear as concentrated masses. He determines the natural frequencies
of oscillations of the collector, taking into account fuel pressure. There is a
bibliography of four items. Yu. S. Shkenev.

Card 1/1   [Abstracter's note: Complete translation.]

S/147/61/000/004/008/021
E081/E435

10.7500

AUTHOR: Il'gamov, M.A.   (Kazan')

TITLE: Investigation of forced vibrations of shallow
              three-ply panels allowing for hysteresis losses in
              the filler

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy.
             Aviatsionnaya tekhnika, no.4, 1961, 58-65

TEXT: A solution is presented for the problem of determining the
forced vibrations in a shallow, rectangular, simply supported
sandwich panel with asymmetrical structure.   The energy
dissipation is taken into account only in the core, which is
assumed to be absolutely plastic ($E_1 = E_2 = G = 0$),   but
incompressible along its thickness   ($E_3 = \infty$).   The energy loss is
measured by the ratio $\psi = \Delta W/W$,   where ΔW is the energy
dissipated per cycle and   W   is the energy of vibration.   The
value of ψ for the middle layer (the filler) is large compared
with its value for the outer (bearing) layers;   for example, in a
material with steel bearing layers and a foam filler, the
respective ranges of ψ for the two materials are 0.012 to 0.035
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Investigation of forced ...

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and 0.2 to 0.4;   the dissipation in the bearing layers can be
neglected in comparison with that in the filler.   It is assumed:
that the dissipative forces causing internal absorption are
proportional to the elastic forces but differ in phase from them
by a right angle;   that the Young's and shear moduli of the
filler are zero and that the filler is orthotropic with respect to
energy dissipation.   On this basis, the differential equations of
equilibrium are written down, and the solution expressed as a
double trigonometric series for the displacements.   The
characteristic equations are derived and an expression obtained for
the amplitude of forced vibrations and for the frequency of natural
vibration.   A numerical example illustrating the calculation of
the amplitude of resonant vibration is given and some experimental
tests are briefly described;   the logarithmic decrement δ (= $\psi/2$)
for a foam filled cantilever beam is measured as lying between the
limits 0.12 and 0.2 .   There is 1 figure.

ASSOCIATION: Kafedra teor. mekhaniki (Department of Theoretical
                                                    Mechanics)

SUBMITTED: November 18, 1960

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S/879/62/000/000/033/088
D234/D308

AUTHOR: Il'gamov, M. A. (Kazan')

TITLE: Theory of three-layer shells of asymmetric structure

SOURCE: Teoriya plastin i obolochek; trudy II Vsesoyuznoy konfe-
rentsii, L'vov, 15-21 sentyabrya 1961 g. Kiev, Izd-vo
AN USSR, 1962,.219-223

TEXT: Using Lagrange's variational equation, the author deduces
the equations of motion for orthortropic shells as above, taking
into account the deformability of the fillers along the thickness.

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S/879/62/000/000/040/088
D234/D308

AUTHOR: Il'gamov, M. A. (Kasan')

TITLE:.   Investigation of forced vibrations of three-layer plates,
taking into account hysteresis losses in the filler

SOURCE: Teoriya plastin i obolochek; trudy II Vsesoyuznoy konfe-
rentsii, L'vov, 15-21 sentyabrya 1961 g. Kiev, Izd-vo
AN USSR, 1962, 260-263

TEXT: The author refers to his previous paper (Izv. AN SSSR, OTN.
Mekhanika i mashinostroyeniye, 1961) and quotes the equations of
motion given there, substituting

$$G^*_{13} = \left(1 + i\frac{\delta_1}{\pi}\right) G_{13}, \quad G^*_{23} = \left(1 + \frac{\delta_2}{\pi}\right) G_{23}, \quad E^*_3 = \left(1 + i\frac{\delta_3}{\pi}\right) E_3$$

$$(2)$$

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Investigation of forced ...   S/879/62/000/000/040/088
                                     D234/D308

for the displacement moduli of the filler. Deflection amplitudes
for the steady state, obtained by the same methods as in the pre-
vious paper, are given, together with natural frequencies of
skew-symmetrical and symmetrical forms of vibrations.

Card 2/2

39808

S/179/62/000/003/008/015
E191/E435

10.6300

AUTHOR: Il'gamov, M.A. (Kazan')

TITLE: Forced and parametric oscillations of three-ply
            sandwich plates

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye
            tekhnicheskikh nauk. Mekhanika i mashinostroyeniye,
            no.3, 1962, 114-119

TEXT: The problems treated are: three-ply sandwich plates of
nonsymmetrical construction with a light-weight core subject to
periodic loads arbitrarily distributed over the surfaces of the
load carrying face layers; oscillation of sandwich plates of
symmetrical construction under the action of forces in the plane
of the plate.   V.V.Bolotin has shown (Izv. AN SSSR, OTN, no.4,
1956) that, in the case of elastic systems in which the
frequencies of longitudinal and flexural oscillations can
approach each other, it is necessary to consider simultaneously the
longitudinal (non-excited) and the parametrically excited
oscillations.   The basic results, when taking into account the
non-excited motion, are the discovery of the possible build-up
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of parametric oscillations near the resonance of forced
oscillations and the widening of the instability regions of the
system.   Owing to the separation of the load carrying face
layers, the ratio of the bending stiffness to the stiffness in
extension and compression in three-ply plates is several times
larger than the same ratio in single-ply plates so that the two
natural frequencies mentioned above may easily approach each other.
The plates considered are freely supported along all edges and are
loaded by periodic transverse distributed loads.   The starting
point of the analysis is the variational principle of Lagrange;
In the derivation, a linear law is assumed for the deformation of
the core in relation to thickness.   The analysis shows that, when
the periodic load distributions of the two faces are unequal and
the phase shift between them is arbitrary and also when the
geometric and mechanical properties of the load carrying faces are
unequal, the oscillations of the plate consist of transverse
oscillations superimposed on extension and compression along the
thickness.   A special case is considered when the oscillations
can be split into symmetrical and skew-symmetrical modes.   The
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Forced and parametric ...

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second problem considered concerns the oscillation of an infinitely long symmetrically constructed three-ply plate under the action of periodically varying compressive forces. The stability of the non-excited motion is examined. It is shown that taking account of the non-excited motion widens the main region of instability several times, in one numerical example by a factor of 3.

SUBMITTED: September 11, 1961

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ACCESSION NR: AP4033041   S/0147/64/000/001/0060/0066

AUTHOR: Il'gamov, M.A.

TITLE: Non-stationary thermal conductivity and optimal parameters of three-layer laminas

SOURCE: IVUZ. Aviatsionnaya tekhnika, no. 1, 1964, 60-66

TOPIC TAGS: thermal conductivity, lamina, shell, thermal insulation, heat capacity, deformation, deformation theory, convection, heat transfer

ABSTRACT: In a brief introductory statement the author describes the structure of three-layer laminas and shells and reviews certain of their more salient properties. The contents of some seven articles on this general subject by other authors, whose papers are listed in the bibliography at the end of the paper, are outlined and their pertinence to the general problem area under consideration is indicated. In the present article, the author considered non-stationary thermal conductivity in a lamina consisting of thin outer layers and a thermo-insulated filler. By a thermally thin layer is here to be understood a layer, throughout the thickness of which the temperature is rapidly equalized, with the order of thickness being determined on the basis of the

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criterion of skin thinness. The effect of the thin outer layers on the heating process of the lamina is evaluated by the thermal capacitances C' and C", of these layers which equal

$$C' = 2c'\gamma'h', \quad C'' = 2c''\gamma''h'', \tag{1}$$

where c', c'', γ', γ'' are the specific thermocapacitances and densities of the materials of the outer layers. Heat radiation from free surfaces and changes in the thermo-physical properties of the layers during heating are disregarded. The nomenclature and the coordinate system used in the paper were borrowed from the theory of deformations of three-layer laminas and shells. The author considered the heating of such a lamina with thermo-insulated borders, the original temperature of which was $T_0 =$ const. with convective heat transfer. Equations are derived for determining the temperatures of the layers, and the point is made that, knowing these layer temperatures, the thermo-physical properties corresponding to them can be found and on this basis the temperature distribution in the second approximation can be determined. A numerical example is given for a lamina consisting of steel and aluminum outer layers and a plastic filler of specific geometrical and physical parameters. The next question considered by the author is that of selecting the optimal thicknesses for the

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carrying layers of a freely-supported, three-layer lamina of non-symmetrical
structure during its heating. For the sake of simplicity, a lamina of infinite
length is considered. A determination is made of the ratios of the thicknesses
of the carrying layers to the overall thickness of the lamina, resulting in
minimal lamina weight with prescribed strength D (for time t). The following
formula for strength is derived:

$$D = \frac{\varsigma' \qquad h'/2H}{\frac{h^2}{G} + (1 + \varsigma' + \varsigma'')\left(\frac{1}{E'\zeta'} + \frac{1}{E''\zeta''}\right)} \cdot \qquad (2)$$

while the weight of a lamina of unit length will be:

$$P = 2l(\gamma'h' + \gamma h + \gamma''h'') = 2lH[(\gamma' - \gamma)\zeta' + (\gamma'' - \gamma)\zeta'' + \gamma]. \qquad (3)$$

The condition for the relative minimum has the form:

$$\frac{\partial D}{\partial \zeta'}\frac{\partial P}{\partial \zeta''} - \frac{\partial P}{\partial \zeta'}\frac{\partial D}{\partial \zeta''} = 0. \qquad (4)$$

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